Identity — Poly methyl Methacrylate

Source — Indefinite [redacted]

Age — Indefinite [redacted]

A1B, 7, 5/12

Notes

C

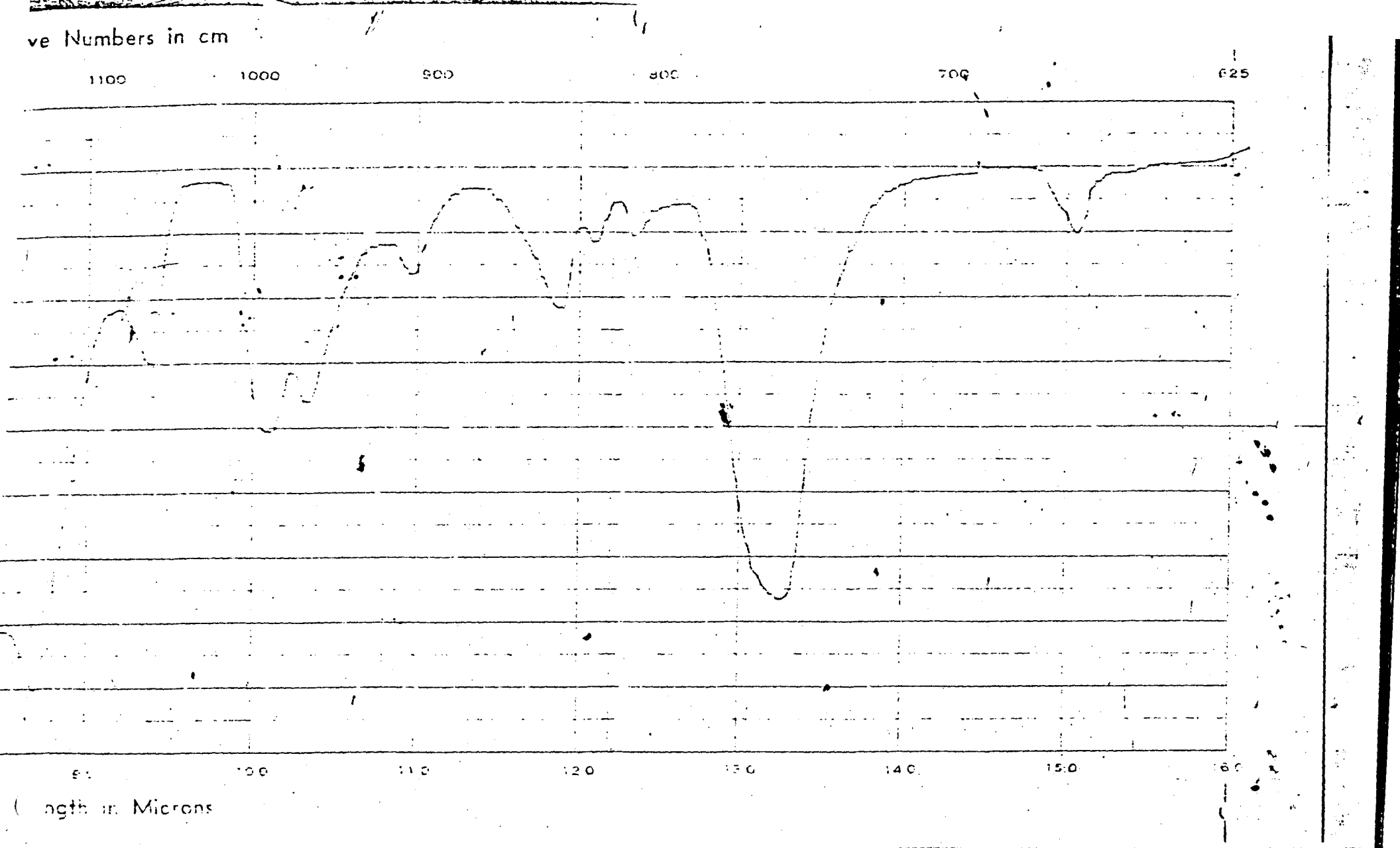
Identity established by [redacted] as Polymethyl methacrylate with the possibility of a few percent of cross linked esters in addition to polymethylmethacrylate. Identification was made on basis of (1) infra red spectrum (submitted with this report, (2) elemental analysis C 60.53% H 7.93% (3) density 1.19 @ 25°C. (4) Softening point ca 130° and (5) Solubility in sulfuric acid and ethyl acetate.

H-B13

Source this resin is produced in U.S. Work has been done on it in many foreign Countries [redacted] has raw materials from other process (by-products) which make it more economical to manufacture than in [redacted] where work has also been done on the substance.

The casting resembles products made in [redacted] Several subjective opinions were rendered to the effect that its composition and appearance might lead one to believe that this was its origin

[redacted]



To [redacted]
FROM [redacted]
SUBJECT: PLASTIC CONTAINER

No. 2955-64

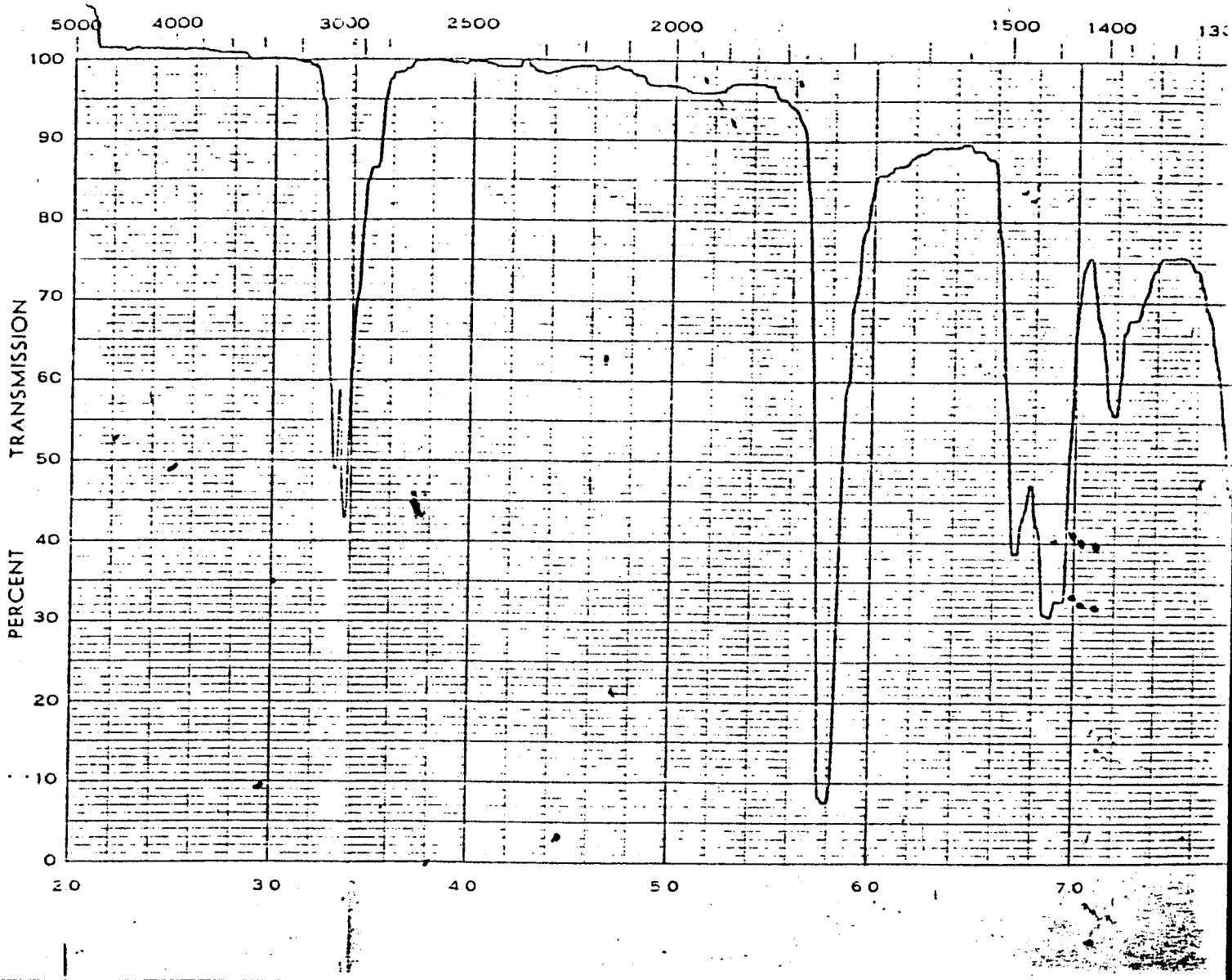
DATE	INDEX
NOV 20 1951	

SAMPLE

Plastic film
cast from cacl2 soln.
purified for a keeping.
C= 60.53%
H= 7.93%
From [redacted]

Samp. Cell =		mm.		cms.
Comp. Cell =	NONE	mm.		cms.
Chem.		mg.		mg.
Solv.	NONE			
Vol.	c.c.	%	c.c.	%
F.S.	Solid	C.	Gas	mm.

I R SPECTROPHOTOMETER
NA CI PRISM



TO [redacted]
FROM [redacted]
SUBJECT: PLASTIC CONTAINER

11/21/51